



# Product Evaluation

DR746 | 0116

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-746

**Effective Date:** January 1, 2016

**Re-evaluation Date:** January 2020

**Product Name:** 8'-2" Glazed Iron Entry Doors, Inswing, Singles and Doubles, Non-Impact Resistant

**Manufacturer:** Iron Doors Unlimited  
5000 Kimberly Way  
Loudon, TN 37774  
(865) 392-4679

## General Description:

System	Description	Design Pressure Rating	Drawing Number
1	3'-3" x 8'-2" Glazed Iron Single Door; Inswing; (X)	Inswing +50/-60 psf	TX-4526
2	6'-2" x 8'-2" Glazed Iron Double Door; Inswing; (XX)	Inswing +50/-60 psf	TX-4527

## Product Dimensions – Doors:

System	Overall Size	Panel Size	Daylight Opening Size
1	39" x 98"	34.75" x 94.25"	19.375" x 78"
2	74" x 98"	34.75" x 94.25"	19.375" x 78"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1	6" Steel Barrel Hinges	2	Hardware must be installed in accordance with Iron Doors Unlimited drawings TX-4526, dated February 2, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on February 4, 2015.
	Ives SB 360 Surface Bolts	2	
	Weslock Entry Handle w/ Deadbolt Lock (Wiltshire)	1 each	
2	6" Steel Barrel Hinges	2	Hardware must be installed in accordance with Iron Doors Unlimited drawings TX-4527, dated February 2, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on February 4, 2015.
	Ives SB 360 Surface Bolts	2	
	Weslock Entry Handle w/ Deadbolt Lock (Wiltshire)	1 each	

**Product Identification (Certification Agency Label on Door):**

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Iron Doors Unlimited
	Product Name	3'-3" x 8'-2" Glazed Iron Single Door; Inswing; (X)
	Drawing	TX-4526
	Test Standards	ASTM E 330-02
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Iron Doors Unlimited
	Product Name	6'-2" x 8'-2" Glazed Iron Double Door; Inswing; (XX)
	Drawing	TX-4527
	Test Standards	ASTM E 330-02

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris.

**Installation:**

System			
1-2	Type of Installation	Door Frame	
	Wall Framing	Wood (G≥0.42) Concrete (minimum 3,000 psi)	
	Fasteners	Wood: Minimum 5/16" lag screws Concrete: Minimum 1/4" ELCO or ITW concrete screw	
	Fastener Embedment	Wood: Minimum of 4.5 inches into the wall framing Concrete: Minimum of 1.75 inches into the concrete	
	Fastener Location/Spacing	Head	The doors must be installed and anchored in accordance with Iron Doors Unlimited drawings TX-4526 and TX-4527, dated February 2, 2015, signed and sealed by Lyndon F. Schmidt, P.E. on February 4, 2015.
		Sill	
		Side Jamb	
		Hinges	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.